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10/666,896

09/17/2003

Peter C. Salmon

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EXAMINER

DOAN, PHUOC HUU

ART UNIT

PAPER NUMBER

2617

MAIL DATE

DELIVERY MODE

08/03/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Office Action Summary**

Application No.

10/666,896

Applicant(s)

SALMON, PETER C.

Examiner

PHUOC H. DOAN

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 April 2007.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 6, 7, 9, 10 and 14-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 6, 7, 9, 10 and 14-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Response to Arguments***

1. Applicant's arguments with respect to claims 6-7, 9-10, and 14-19 have been considered but are moot in view of the new ground(s) of rejection.

The Examiner is considering the preliminary amendment filed on Aug, 3, 2006 which re-submitted on 04/23/2007. Therefore, the new ground of rejection is applied.

### ***Claim Rejections - 35 USC § 112***

2. Claim 14 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

As to claim 14, Claim states "said display screen having a free end and said at least one integrated circuit chip being mounted on the free end of said display screen for serving as a weight to cause said display screen to hang substantially straight" is not supported by the original specification.

Appropriate correction is required.

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 14-15, 17, and 19 are rejected under 35 U.S.C. 102(e) as being anticipated by Daniels (US Pub No: 2004/0041800).

As to claim 14, Daniels discloses a display station for use in wireless communication with an information source (page 9, par. [0088]), comprising: a flexible substrate having display circuits carried thereby to form a flexible display screen (page 5, par. [0067]); and at least one integrated circuit chip carried on said flexible substrate and including display drivers and a radio frequency transceiver for permitting said wireless communication with the information source (page 6, par. [0071]; page 10, par. [0094]) said display screen having a free end and said at least one integrated circuit chip being mounted on the free end of said display

screen for serving as a weight to cause said display screen to hang substantially straight (page 6, par. [0068], [0071]).

As to **claim 17**, Daniels further discloses wherein said at least one integrated circuit chip is configured includes speech recognition (page 7, par. [0077], page 12, par. [0111]).

As to **claim 19**, Daniels further discloses wherein the at least one integrated circuit chip includes a micro controller chip, a display driver chip and a radio frequency chip (Fig. 15 with description).

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. **Claims 6-7, 9-10, 16, and 18** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Daniels (US Pub No: 2004/0041800)** in view of **Hack (US Pub No: 2003/0109286)**.

As to **claim 6**, Daniels discloses a display station for use in a wireless communication with an information source (page 9, par. [0088]), comprising: a flexible substrate having display circuits imprinted thereon to form a flexible display screen (page 5, par. [0067]); at least one integrated circuit chip mounted on said flexible substrate for controlling said display and enabling wireless communication with the information source (page 6, par. [0071]; page 10, par. [0094]). However, Daniels does not specifically disclose that means for winding up said flexible display.

In the same field of endeavor, Hack discloses that means for winding up said flexible display screen (page 5, par. [0056] **“the display 106 to wind around the rod 113”**). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide for winding up the flexible display screen as taught by Hack to the system of Daniels in order to has lightweight, bright and thin of the wireless display.

As to **claim 7**, Daniels further discloses wherein said at least one integrated circuit chip is contained in a box that hangs below said display screen and causes the display screen to hang straight (Fig. 16 with description, page 10, par. [0093-0094]).

**As to claim 9**, Hack further discloses the display station of claim 8 wherein said means for winding up includes a spring that winds up and stores energy as said display screen is extended from its stored position to an extended position (page 5, par. [0058]), and upon release urges said display screen from said extended position to said stored position (page 5, par. [0051]).

**As to claim 10**, Daniels further discloses the display station of claim 6 wherein said at least one integrated circuit chip is configured to drive sound-generating devices (page 7, par. [0077]).

**As to claim 16**, Daniels further discloses wherein said at least one integrated circuit chip includes speech recognition circuits (page 7, par. [0077], page 12, par. [0111]).

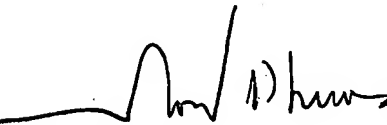
**As to claim 18**, Daniels further discloses wherein said at least one integrated circuit chip includes a micro controller chip, a display driver chip and a radio frequency chip (Fig. 15 with description).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUOC H. DOAN whose telephone number is 571-272-7920. The examiner can normally be reached on 9:30 AM - 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JOSEPH FEILD can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Phuoc Doan  
06/19/07



JOSEPH FEILD  
SUPERVISORY PATENT EXAMINER